

NETGEAR M4300-16X Managed L3 10G Ethernet (100/1000/10000) Power over Ethernet (PoE) 1U Black



Brand : NETGEAR

Product code: XSM4316PA-100NES

Product name : M4300-16X

- 16-port 100M/1G/2.5G/5G/10GBASE-T with PoE+ (copper RJ45)
 - 320Gbps non-blocking fabric across 16 ports
 - Out-of-band 1G Ethernet management port
 - Mini-USB and RJ45 RS232 console ports and USB storage port
 - Full L3 feature set and non-stop forwarding (NSF) stacking
 - Half-width form factor with one- and two-unit rack mount kit
 - Two half-width switches can be installed in a single rack space for redundant top-of-rack
 - Ships with one modular APS299W PSU in its power supply slot
 - Low acoustics (36dB with APS299W, 35dB with APS600W, @25°C / 77°F)
- M4300-16X, 320 Gbps, 238 Mpps, 16x 100/1000/2.5/5/10GBASE-T RJ-45, PoE+, 299W PSU, 212x44x345 mm

Management features		Protocols	
Switch type *	Managed	GARP VLAN Registration Protocol (GVRP)	✓
Switch layer	L3	Routing protocols	OSPF, OSPFv3, RIP, RIP-1, RIP-2
Quality of Service (QoS) support	✓		
Ports & interfaces		Design	
Basic switching RJ-45 Ethernet ports quantity *	16	Rack mounting *	✓
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)	Stackable *	✓
Console port	RJ-45/Mini-USB	Form factor	1U
USB 2.0 ports quantity	1	Product colour	Black
		Airflow direction	Front-to-back airflow
Network		Performance	
	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.3, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3bz, IEEE 802.3u	Physical stacking (units)	8
Networking standards *		Built-in processor	✓
10G support *	✓	Processor frequency	800 MHz
Port mirroring	✓	Internal memory	1024 MB
IP routing	✓	Noise level	36 dB
Link aggregation	✓	Mean time between failures (MTBF)	690301 h
Auto-sensing	✓	Power	
VLAN support	✓	Power supply included *	✓
Virtual LAN features	Private VLAN, Tagged VLAN, Voice VLAN	Number of power supply units	1
Number of VLANs	4093	Power consumption (max)	49 W
Data transmission		Power over Ethernet (PoE)	
Switching capacity *	320 Gbit/s	Power over Ethernet (PoE) *	✓
Throughput	238 Mpps	Power over Ethernet plus (PoE+) ports quantity	16
MAC address table *	16000 entries	Power over Ethernet (PoE) power per port	30 W
Store-and-forward	✓	Total Power over Ethernet (PoE) budget	199 W
Number of queues	8	Operational conditions	
Number of static routes	64	Heat dissipation	186 BTU/h
Jumbo frames support	✓	Weight & dimensions	
Jumbo frames	9000	Width	212 mm
Security		Depth	345 mm
DHCP features	DHCP client, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping	Height	44 mm
Access Control List (ACL)	✓	Weight	3.22 kg
		Packaging data	
		Rack mount kit	✓

Security

IGMP snooping	✓
BPDU filtering/protection	✓
Authentication	Guest VLAN, MAC-based authentication

Logistics data

Harmonized System (HS) code	85176990
-----------------------------	----------

Multicast features

Multicast support	✓
Number of multicast groups filtered	4000



0606449140958



606449140958



(01)10606449140955

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.